

**IN THE ABSTRACT:**

Please amend the abstract as follows:

The present invention is to provide a putting stroke analyzer, and a putter for use therein, in which a signal generated in a position detecting antenna through electromagnetic induction is detected by stroking a putter (2) having a head (21) added with an LC resonance circuit, i.e. electromagnetic resonators (24a, 24b), above position detecting mats (3a, 3b) having a plurality of exciting coils also serving as the position detecting antennas extending, respectively, in the X axis direction and Y axis direction in order to grasp movement of the putter head in the putting stroke of golf continuously with a sufficient accuracy. It contributes to enhancement of skill of a player oneself or guidance of the player and to selection of a putter optimal to the player.